Portable CD-ROM
User' Manual

For
CD Traveler - PCMCIA
CD Traveler Plus - PCMCIA and Parallel

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PRECAUTIONS

Read this section carefully before starting to use the Portable CD-ROM Plus.

CD-ROM DRIVE

- Do not place heavy objects on the CD-ROM drive.
- Do not shake or subject to intense vibration.
- Keeps disc cover closed to protect from dust.
- Do not disassemble the player.
- Do not spill liquid on the player.
- Do not touch the lens.
- The CD drive using invisible laser radiation when open, the cover avoid direct exposure to the beam.
- Clean the outsides of the player with a soft dry cloth only.
- Clean the lens with a dry cotton swab or a lens blower.
- Do not expose the player to direct sunlight or heat. Especially do not leave it in a hot automobile.
- Condensation may form on the lens if the CD-ROM is suddenly removed from a cold temperature setting and placed in a much warmer environment. This may result in the lens' inability to properly read the disc. If this occurs, remove the disc and leave the power on. After one hour, reinsert the disc and play again.

CD

- Handle the disc by the edges as mush as possible. Do not touch the surface of the disc.
- Do not scratch or smudge the surface of the disc. Do not attach a label to the disc.
- Do not bend the disc.
- Do not expose the disc to the direct sunlight. Do not store the disc in a room with high temperature or high humidity.
- To avoid dust, scratches, bending, etc., always store the disc in its case.
- For best results, wipe the disc with a soft, dry cloth in a circular direction. Do not use benzine, record cleaner, static electricity prevention fluid, or any other liquid as it may damage the disc.

CD-ROM PART NAMES AND FUNCTIONS

TOP PANEL OF THE CD-ROM DRIVE:

① **Open button:**

Press this button to open the disc cover.

② **On/Busy led:**

- This indicator will light dimly with a green LED when the power is on.
- This LED will light brightly when the drive is ready.
- This LED will blink when the drive is accessing the disc.
- This LED will blink every 2 seconds when the disc cover is opened.

③ **External Power led:**

- This LED will light when AC adapter or batteries are used.
- This LED will blink when input power is low.

④ **Play/Pause button:** (for CD audio operation only)

- When the drive is in 'stop' state, pressing this button will activate the drive to start playing.
- When the drive is in 'play' state, pressing this button will make it pause.

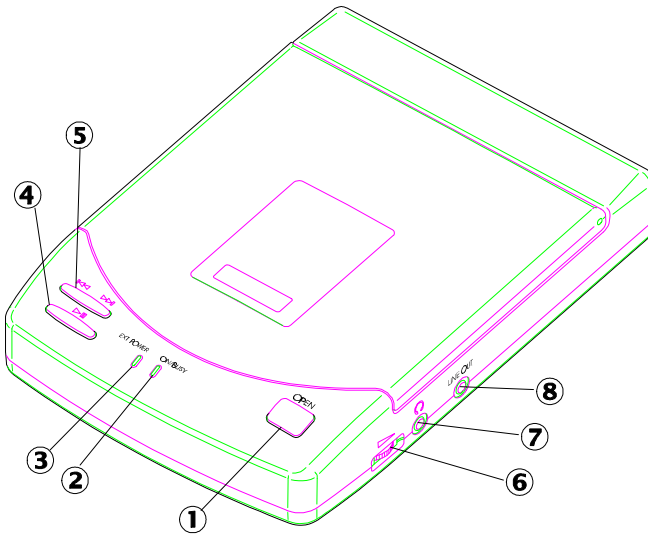


Figure 1

⑤ **Next/Previous button:** (for CD audio operation only)

- When the drive is in 'play' state, pressing the right edge of the button will skip to the next track.
- When the drive is in 'play' state, pressing the left edge of the button will skip to the previous track.

⑥ **Headphone Volume Control knob:**

Turn this rotary knob to adjust the headphone volume.

⑦ **Headphone jack:**

This is a 3.5mm audio headphone jack.

⑧ **Line-out jack:**

Audio outputs signal to an amplifier.

REAR PANEL OF THE CD-ROM DRIVE:

① **PCMCIA/Parallel Port Interface connector:**

This connector connects to the PCMCIA interface card or the Parallel Port interface cable.

② **Power Source switch:**

- Set the switch to "PC" to select the power source from PCMCIA socket.
- Set the switch to "DC/BATT" to select the power source from AC adapter or batteries.

Please refer to next section titled "CD-ROM POWER SOURCE" for details.

③ **DC-IN jack:**

This jack connects to an AC adapter.

④ **Power button:** (for stand-alone CD player operation only)

Press this button to power on/off the drive when it is used stand-alone as an audio CD player.

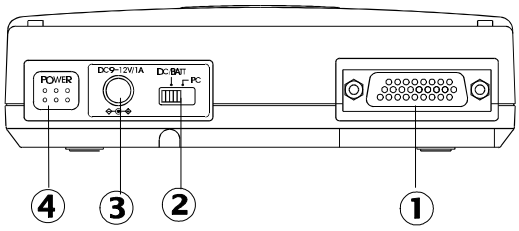


Figure 2

BOTTOM OF THE CD-ROM DRIVE:

① **PCMCIA Interface Card Holder:**

Store the PCMCIA interface card when not used.

② **Battery Lid:**

Slide and lift up the lid to install or remove the batteries.

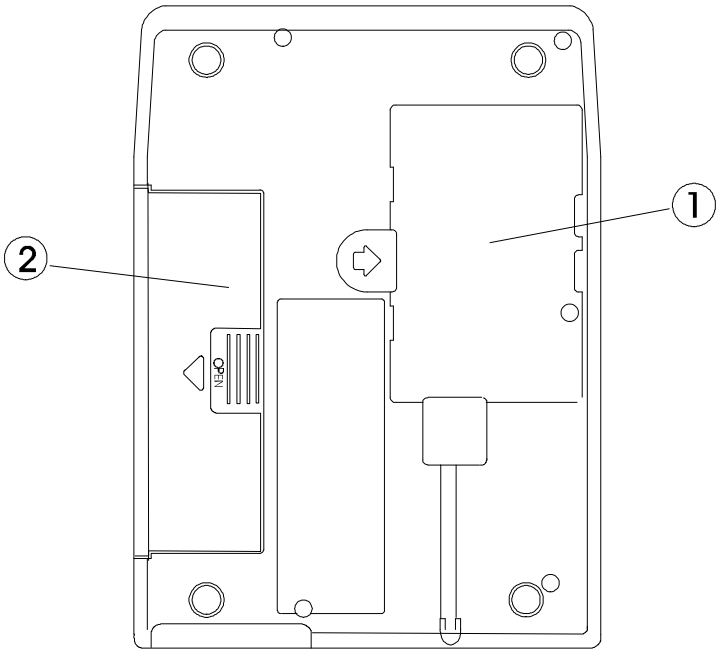


Figure 3

PARALLEL PORT ADAPTER CABLE:

① **Parallel port connector:**

Connect this connector to a computer (25 pin) parallel port (Printer port).

② **CD-ROM drive connector:**

Connect this connector to the back of CD-ROM drive (26 pin)

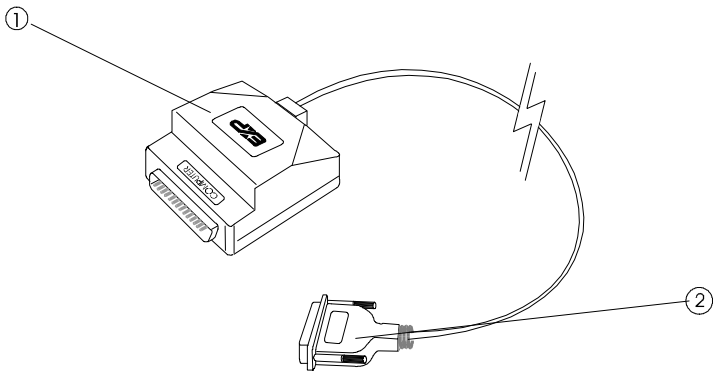


Figure 4

CD-ROM POWER

There are three power source options to choose to power the CD Traveler:

1. PCMCIA socket power direct
2. AC adapter
3. Battery.

However, you can use only AC adapter or batteries when the CD-ROM is used with the Parallel Port connection or as a stand-alone CD player.

SELECTING THE POWER SOURCE

The POWER SOURCE SWITCH (as shown in ② of Figure 2) is for selecting which power source to use.

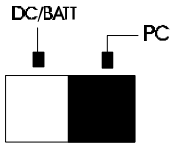
PC Card (PCMCIA) interface

User can select power source form PC or DC/BATT.

Parallel Port interface

User selects power source from DC/BATT only.

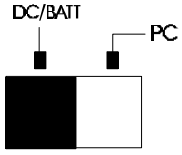
POWER SOURCE SWITCH is set to "**PC**" (Figure 4.a)



The PCMCIA power direct is selected. Thus, the CD-ROM will obtain power from PCMCIA socket of your computer, there for no external power (AC or batteries) will be required. In the event that your computer can not supply enough power to operate the PCMCIA CD-ROM drive, then you will have to use external power as described below. Do not set the switch to this position if you are using the Parallel Port connection.

Fig. 4.a

POWER SOURCE SWITCH is set to "**DC/BATT**" (Figure 4.b)



The external power source is selected. In this condition, you must apply AC adapter or batteries to CD-ROM drive. The Parallel Port connection requires the switch setting in DC/Batt position. Please note that the AC adapter has a priority over the battery in powering the CD-ROM drive. In other words, if you connect the AC adapter, the CD-ROM drive will draw power from the adapter regardless if the batteries are installed or not.

Fig.4.b

NOTE: If you choose to use external power, remember to apply external power *before* enabling the PCMCIA interface card (booting the computer or hot-inserting the card).

For the Parallel Port connection, user will also need to apply external power *before* booting the computer.

If you failed to apply the external power first, the drive status will remain NOT READY although the external power is applied later; it may also result in CD-ROM drive abnormal condition. In this case, reboot your computer again to enable the CD-ROM drive.

WARNING

Do not shift the POWER SOURCE SWITCH when the CD-ROM is powered on.

CONNECTING THE AC ADAPTER

1. Remove the PCMCIA interface card or Parallel Port connector from your computer.
2. Connect the AC adapter plug to the DC-IN jack at the CD-ROM rear panel.
3. Attach the AC adapter to the AC outlet.

INSTALLING THE BATTERIES

The CD-ROM requires six AA size batteries (not included) for operation. The Alkaline batteries may last longer than other batteries. You may also use Ni-Cad rechargeable batteries, which have a shorter service life. Neither the rechargeable batteries nor the charger is provided with this package.

Follow the instruction below to install the batteries,

1. Remove the disc from the CD-ROM.
2. Disconnect the PCMCIA interface card from your computer, and disconnect the AC adapter from the “DC-IN” jack.
3. Turn over the CD-ROM drive and place it horizontally.
4. Press and slide the battery lid in the direction of the arrow to remove it.

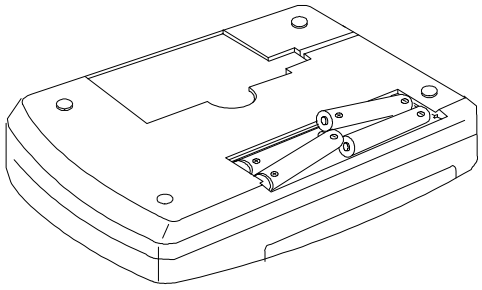


Figure 5

5. Install six fresh AA batteries (as shown in Figure 5), and make sure the polarities match the diagram.
6. Replace the battery lid.

POWER SWITCH

Stand-alone CD player

Pressing the POWER button (as shown in ④ of Figure 2) will switch the CD drive power 'on' or 'off'. The drive also has an inactivity timer, which automatically powered off if it has been idle more than 40 seconds.

CD-ROM operation

The POWER button will not function because the drive power is controlled by the computer.

ON/BUSY LED (as shown in ② of Figure 1)

The LED indicate four status of the CD-Drive:

1. Power On: The LED will light dimly
2. Ready State: The LED will light brightly.
3. Accessing: The LED will blink when the drive is accessing the disc.
4. Cover Open: The LED will blink every 2 seconds.

EXT POWER LED (as shown in ③ of Figure 1)

The LED indicates the external power state:

1. ON: The power supply is in the normal condition.
2. OFF: If you choose to use PCMCIA power direct.
3. BLINKING: External power is in use but power is low.

   Low power may be caused by a malfunction AC adapter or when the batteries are reaching the end of their service life. Check your AC adapter to see if it is defective, improperly connected, or replace the old batteries with new ones.

NOTICE

- Use only the AC adapter provided with this unit or refer to the rear panel of the drive for the correct AC adapter specification.
- If you are not using the unit with the AC adapter for a long period of time, disconnect it from the AC power outlet.
- Do not mix old and new batteries, or different type of batteries (Ni-Cad and alkaline, etc.)

- Always remove old, weak or worn-out batteries promptly and dispose of them properly.
- If you do not use this unit for a long period of time, remove the batteries to avoid the possible battery leakage.
- Thoroughly clean the battery compartment before inserting new batteries.
- Always turn on the CD-ROM power before the system if using the AC or batteries

INSTALLATION

The installation procedures have two sections for each type of interface.

1. PCMCIA(PC Card) interface
2. Parallel Port interface (option)

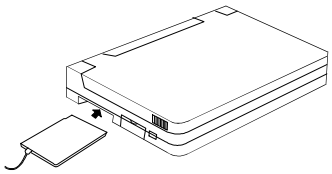
The procedure includes hardware and software installation. Just follow along the interface of your choice.

INSTALLATION FOR PCMCIA INTERFACE

HARDWARE INSTALLATION

If install on a Windows NT station, make sure you turn OFF all power to your system before connecting the CD Traveler Plus to your computer. However, you are allowed to install the CD with power while using Windows 95/98, because OS support plug-and-play. Before you begin, make sure you turn OFF all power to your system before connecting the PCMCIA CD-ROM to your computer.

1. Turn over the CD-ROM drive, locate the PCMCIA interface card at the back of the CD-ROM drive. Lift and take out the card from the holder. Place the CD-ROM drive upright in the horizontal position.
2. Make sure that the PCMCIA interface cable is firmly connected to the interface connector at the back panel of the CD-ROM drive.
3. Refer to the computer user's manual to locate your computer's PCMCIA slot.
4. Align the PCMCIA interface card with the arrow sign pointing towards the computer's slot. (Please note that the card is keyed to guide for proper insertion.)



5. Slowly insert the PCMCIA interface card into the slot and press firmly until the connector is seated.
6. Check the power source switch set it according to power source and your connection type.(PCMCIA or Parallel Port)

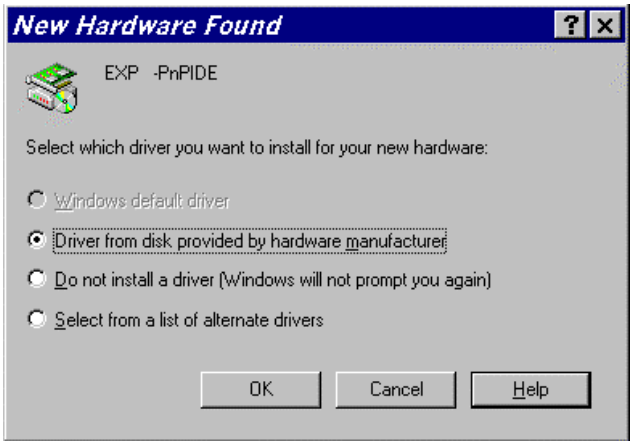
   PCMCIA Socket -> PC

   AC adapter or Battery -> DC/BATT (Parallel Port only)

   (Make sure the AC adapter is properly connected or the batteries are installed)
7. Turn the system ON to install the PCMCIA CD-ROM device driver.

SOFTWARE INSTALLATION FOR WINDOWS 95/98

The “New Hardware Found” dialog box* will appear when you insert the CD CD Traveler Plus card under Windows 95 for the **very first time.**

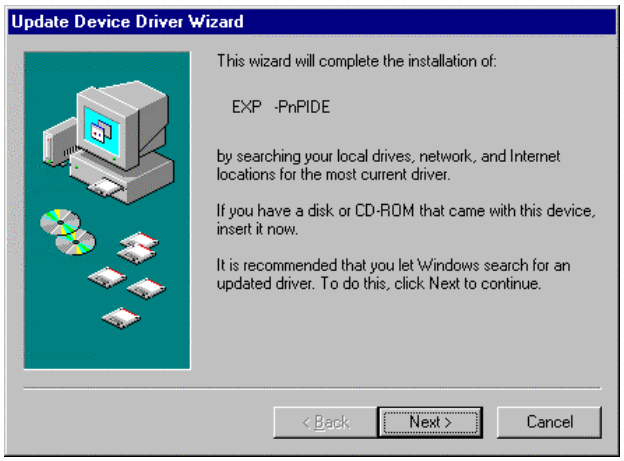

New Hardware Found
EXP -PnPIDE
Select which driver you want to install for your new hardware:
Windows default driver
Driver from disk provided by hardware manufacturer
Do not install a driver (Windows will not prompt you again)
Select from a list of alternate drivers
OK
Cancel
Help

Select “Driver from disk provided by hardware manufacturer” and click on the OK button. Insert the CD Traveler Plus device driver disk into your floppy drive. (If the dialog box does not appear, please refer to the “Trouble Shooting” section.)

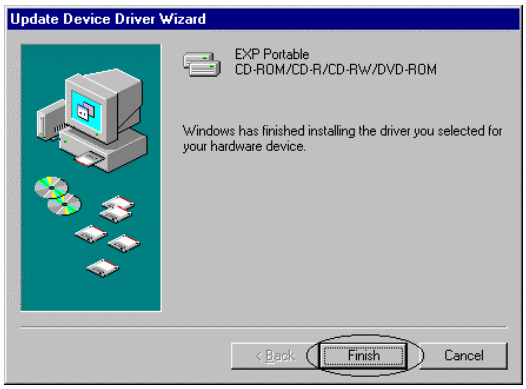
Either using “Browse” button or types in the path A:\win95 then click OK to finishing the installation.

* Your dialog box may be different from the one shown depending on your Windows 95 version

For user with a newer revision of Windows 95 or Windows 98, “Update Device Driver Wizard” box * will appear. Click on “Next” button, let Windows 95 search for driver. Make sure to insert the CD device driver diskette into your floppy drive.


Update Device Driver Wizard
This wizard will complete the installation of:
EXP -PnPIDE
by searching your local drives, network, and Internet locations for the most current driver.
If you have a disk or CD-ROM that came with this device, insert it now.
It is recommended that you let Windows search for an updated driver. To do this, click Next to continue.
< Back
Next >
Cancel

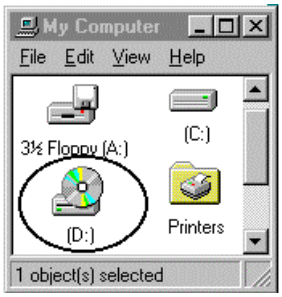
(If the dialog box does not appear, please refer to the “Trouble Shooting” section.)



Click on the “Finish” button.

VERIFY YOUR INSTALLATION

From “Desk Top” click on “My Computer” icon. Look for an addition CD-ROM drive’s icon.



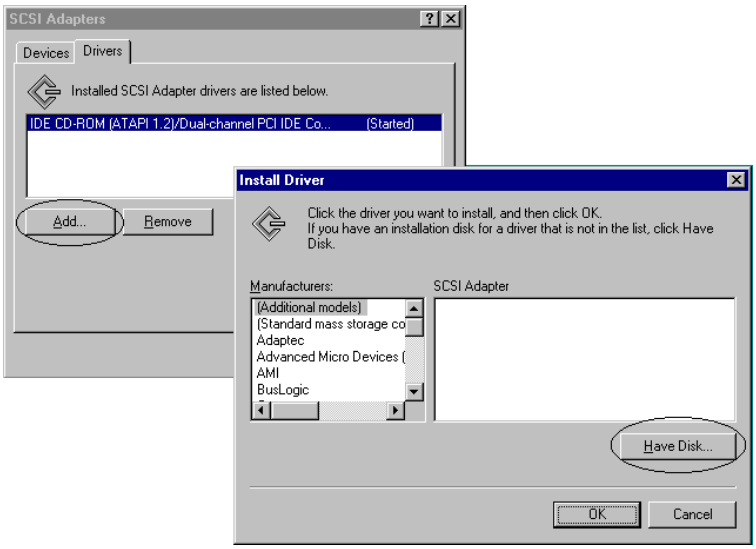
PC CARD Interface

Currently there is no Plug and Play support for PC Card (PCMCIA) on the Windows NT 4.0. User can install the device driver without the PC Card, however after you finishing the installation you should insert the PC Card before restart the computer.

Follow the instructions to install the device driver:

Click on My Computer, then “Control Panel”, then “SCSI Adapters”.

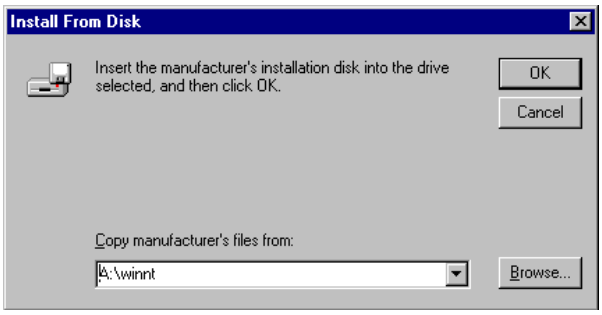
Choose Drivers tab and the click on “Add”. From the Install Driver click “Have



Disk” button.

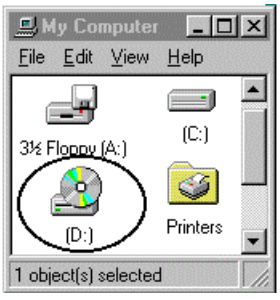
Install from disk dialog box will prompt for device driver diskette.

Either using “Browse” button or type in the path A:\winnt the click OK to finishing the installation.



Make sure to insert the CD PC Card into the PC Card slot before restart the computer.

VERIFY YOUR INSTALLATION



After computer boot up from “Desk Top” click on “My Computer” icon. You should have an addition CD-ROM icon.

INSTALLATION FOR PARALLEL PORT INTERFACE

HARDWARE INSTALLATION

Before you begin, make sure you turn OFF all power to your system before connecting the CD-ROM to your computer.

1. Connect the DC Input adapter cable to the EXP CD-ROM drive assembly.
2. Connect one end of the Parallel cable to EXP CD-ROM (26 pin small connector), and connect the other end to computer parallel port. (standard 25 connector)
3. Plug-in the AC adapter to a working AC receptacle.
4. Turn on the power of CD-ROM before turn on the computer.

You are now ready to install the software.

WARNING

The CD and electronic components installed on the CD-ROM are very sensitive to damage from static electricity. Before handling the unit, touch a grounded metal surface. DO NOT connect/disconnect the CD-ROM unit to/from the parallel cable when the system is in power-on state.

SOFTWARE INSTALLATION FOR WINDOWS 95/98

From the Desktop Click 'My Computer' icon, 'Control Panel' and then 'Add New Hardware' Click "Next>" to begin.

Add New Hardware Wizard
If your hardware is already installed, you should have Windows detect it.
When Windows detects new hardware, it automatically determines the current settings for the device and installs the correct driver.
Do you want Windows to search for your new hardware?
Yes (Recommended)
No
< Back
Next >
Cancel

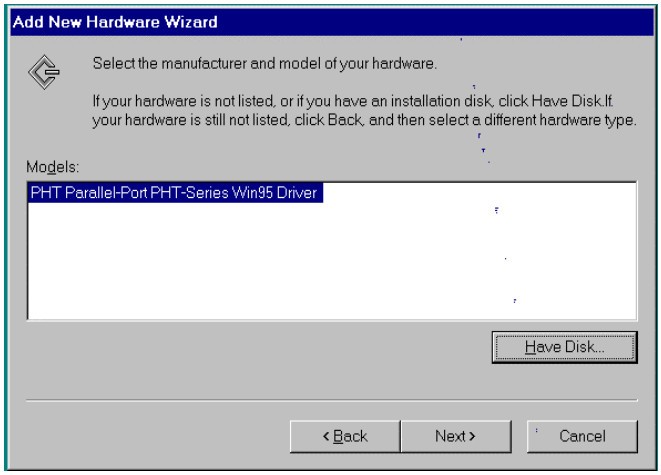
1. When prompted whether to search for your new hardware,

Select "No" and click "Next>".

2. Open "SCSI controllers". Click "Have Disk...".

3. Insert Installation Diskette into the drive selected, then click "OK".

4. If you're installing from a directory containing downloaded installation files, specify the full path of the directory and click "OK".


Add New Hardware Wizard
Select the manufacturer and model of your hardware.
If your hardware is not listed, or if you have an installation disk, click Have Disk. If your hardware is still not listed, click Back, and then select a different hardware type.
Models:
PHT Parallel-Port PHT-Series Win95 Driver
Have Disk...
< Back
Next >
Cancel

5. Select "PHT Parallel-Port PHT-Series Win95 Driver",

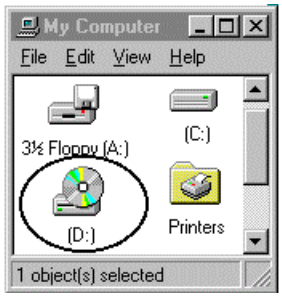
   and click "Next>". Click "Finish" to complete installation.

6. Remove Installation diskette.

7. Restart system, when prompted.

VERIFY YOUR INSTALLATION

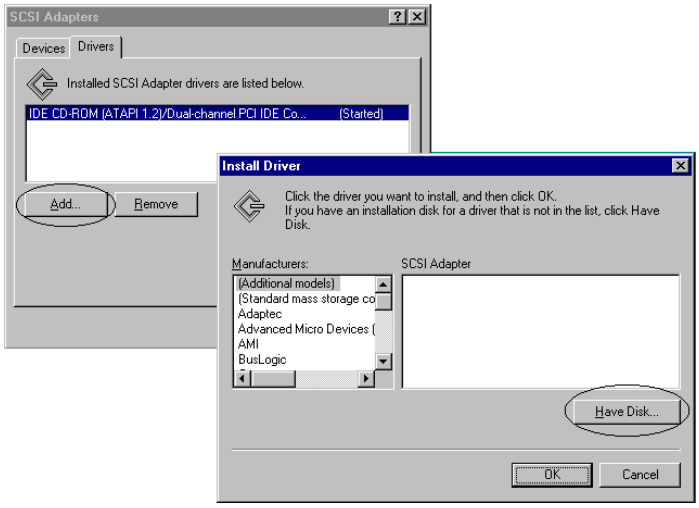
From “desk top” click on “my computer” icon. There should be addition CD-ROM drive’s icon displayed.



SOFTWARE INSTALLATION FOR WINDOWS NT 4.0

In Windows NT 4.0, you may select “Control Panel” under “Settings” from the “Start” menu to open the “Control Panel” folder, double click the “SCSI Adapter” icon)

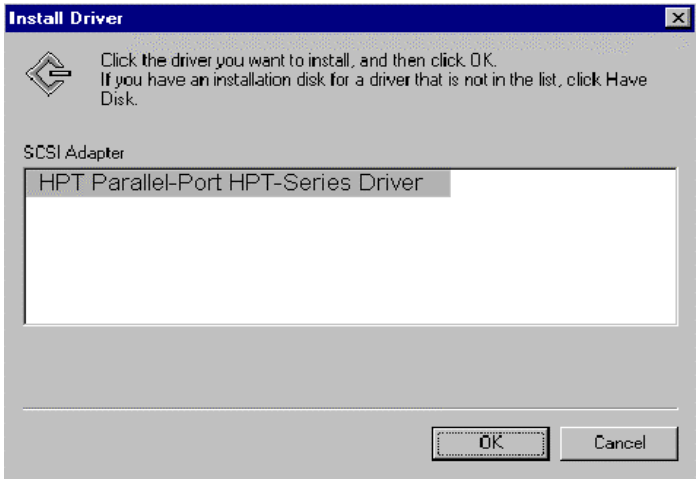
Click “Drivers” tab, and a figure illustrated as below will be displayed.



Click “Add” button, and click “Have Disk...” button.

Windows NT will then prompt you to insert the manufacturer installation disk. Insert the device driver disk into your floppy drive. Specify the directory as A:\WINNT (or B:\WINNT whichever contains the diskette) and select OK.

Click OK to select the driver.


Install Driver
Click the driver you want to install, and then click OK.
If you have an installation disk for a driver that is not in the list, click Have Disk.
SCSI Adapter
HPT Parallel-Port HPT-Series Driver
OK
Cancel

Follow the on-screen instruction to continue. After finishing, Windows NT will prompt you to restart your computer to activate the new device driver for Windows NT.

BASIC OPERATING PROCEDURES

Follow the instructions listed below to open the disc cover and insert/remove a CD.

Press the OPEN button. The disc cover will open slightly, and the ON/BUSY LED will blink as a warning signal.

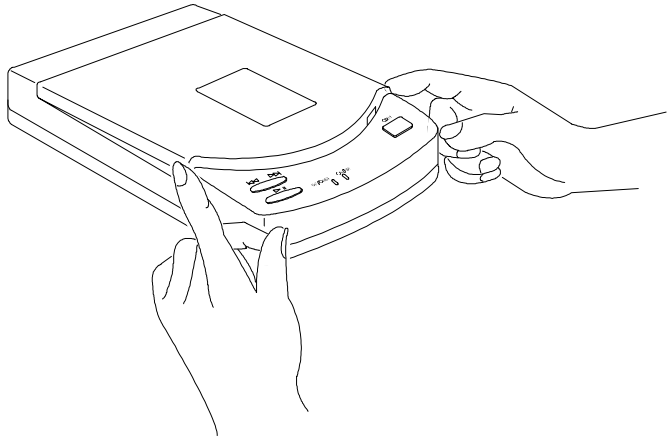


Figure 6

If there is no disc inside, go to next step. Otherwise, wait until the drive stops spinning. You may check if the disc stop by looking through the disc cover window.

Lift the disc cover by the edges as shown in Figure 6.

Insert the disc with the label side facing up or remove the disc.

Close the disc cover.

WARNING

Do not lift the disc cover until the drives stop spinning. Failure to do so may damage the CD disc.

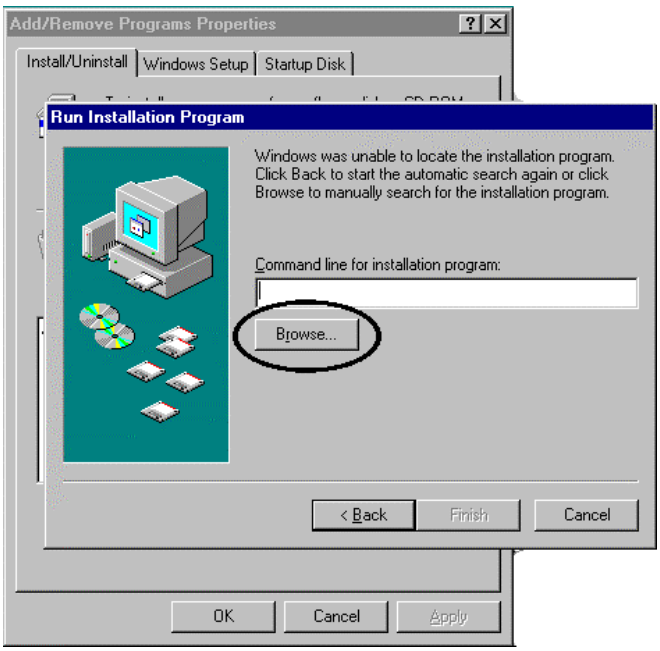
INSTALLING THE APPLICATION SOFTWARE

Windows 95/98 and Windows NT 4.0

From “Start” go to “Setting”, “ Control Panel” then “Add/Remove Program”

Click on “Install” button. The installation program will search for ‘Setup.exe’ program from the CD-ROM. Usually the application will start automatically.

If not click “Browse” button then open the sub-folder contain the setup program.



Follow your application program instructions.

USING THE CD-ROM AS A STAND-ALONE CD PLAYER

In a stand-alone audio CD player operation, the CD need either the AC adapter or batteries for its power source remember to set the POWER SOURCE SWITCH to “DC/BATT”. Refer to the section titled “CD-ROM POWER SOURCE” for details.

It is not necessary to remove the PCMCIA interface card from the CD-ROM drive when the CD-ROM is in stand-alone mode. You may store the card in the cardholder at the back panel of the drive.

The following control buttons will be used in stand-alone mode.

Power Button

- Press the POWER button will turn on the PCMCIA CD-ROM in stand-alone mode. Press the POWER button again will turn off the drive.
- The PCMCIA CD-ROM will spin in a lower speed (single speed) in stand-alone mode.
- As another power saving feature, the PCMCIA CD-ROM will be automatically turned off if it has not played for approximately 40 seconds.

Play/Pause Button

- Press this button will activate the drive to begin playing.
- If the drive is in play state, pressing this button will make it pause.
- This button will work in the audio CD playing mode only..

Next/Previous Button

- In the play state, press the right edge of the button to skip to the next track.
- Press the left edge of the button to skip to the previous track.
- This button will work in the audio CD playing mode only..

Volume Control Knob

- Use this knob to adjust the headphone volume.

Headphone Jack

- Connect your headphone to his jack for listening to audio CD.

Line-Out Jack

- Connect this jack to the LINE-IN jack of the sound card in your computer or an amplifier with a 3.5 mm audio cable for better sound quality from the audio CD.

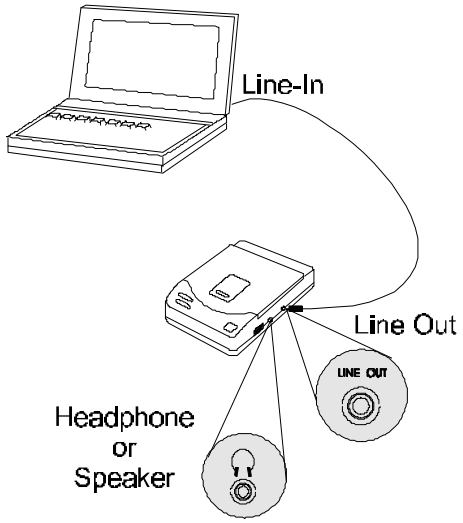
Play an Audio CD by Using Software

You can use the CD audio software utilities in Windows 95 or Windows NT Windows 3.1 etc. to play the audio CD on your CD-ROM.

Windows 95/98 and Windows NT incorporate an **auto-run** function for a CD Audio disk. As soon as you insert the CD inside the drive the computer will automatically start, a program called CD-Player. You should see number incrementing. If not, you should go to Start, Program, Accessories, Entertainment, and choose CD-Player or Media Player. Press Play button to start. To play audio CD by using Media Player in Windows 3.1, for example,

1) Check if the [MCI] CD Audio driver is installed.
2) Choose the Drivers icon from Control Panel, and choose the Add button to set up the driver [MCI] CD Audio.
3) Start the Media Player.
4) Select Device CD Audio from the menu bar.
5) Click the play button on the screen to start it.

If your computer is equipped with a sound card, you can also connect the LINE-OUT jack of your CD-ROM to the LINE-IN jack of the sound card with a 3.5 mm audio cable. This will result in a better audio output from the speakers of the sound card.



The CD-Audio sound will come out through the Line-Out or Headphone jack ONLY.

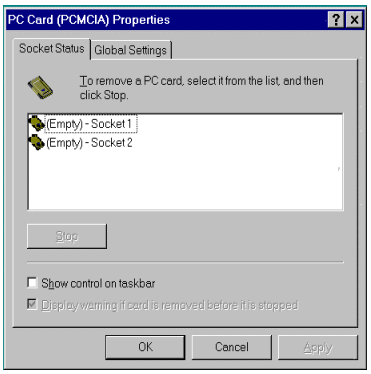
The PLAY/PAUSE, NEXT/PREVIOUS buttons will still work in CD-ROM mode. However, these buttons should be used in audio CDs playing mode ONLY. Using these buttons other than playing audio CDs will cause an error. Also, do use these buttons along with a CD audio software utility. Otherwise, incorrect information may be reported by the CD audio software.

TROUBLE SHOOTING

PCMCIA INTERFACE

Symptom: No “New Hardware Found” dialog box display.

Solution: 1. The EXP card is NOT fully inserted.


PC Card (PCMCIA) Properties
Socket Status
Global Settings
To remove a PC card, select it from the list, and then click Stop.
(Empty) - Socket 1
(Empty) - Socket 2
Stop
Show control on taskbar
Display warning if card is removed before it is stopped
OK
Cancel
Apply

The card status will show empty if Windows PCMCIA driver did not detect any card. Some time, there is other dialog box displayed, and the PC Card Properties still show empty. You may need to disable such a program (i.e. CardWork, CardWiz) consult your notebook User Manual.

2. The 32-bit card support is NOT enabled.

To enable the 32-bit support, click on “Start”, “Settings”, “Control Panel” from the “Control Panel” folder Click on PC Card (PCMCIA)

If you see the screen below, it means the PCMCIA device driver is not using 32-Bit Card Support. Follow on screen instructions by except all the default setting. At the end of the installation, you will be asked to restart the computer.

Welcome to the PC Card (PCMCIA) Wizard
Welcome to the PC Card (PCMCIA) wizard.
This wizard will help you remove your existing PC card drivers (which could conflict with the 32-bit Windows drivers) and install the 32-bit Windows drivers needed to support PC cards.
When installing support for your PC card driver, your PC cards will be temporarily disabled. This causes problems if you are using a PC card to copy the files needed to enable this support.
Are you using a PC card (network card, CD-ROM connected to a SCSI card, etc.) to install Windows?
No
Yes
< Back
Next >
Cancel

After the computer restart, you can insert the EXP CD card, at this time the “New Hardware Found” or “Update Device Driver Wizard” dialog box will be displayed.

3. No PC Card (PCMCIA) icon in Control Panel

   If the PCMCIA Socket is not found, then you must add a PCMCIA socket to your system. Please click on the “Add New Hardware” icon in the Control Panel folder and select “PCMCIA socket”. Select the appropriate type of PCMCIA Controller that matches yours (call your notebook manufacturer for detail) and follow the on-screen instruction.

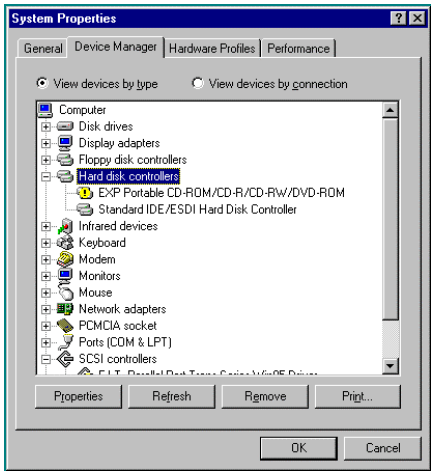
Symptom: No additional drive icon in “My Computer”.
The EXP CD driver installed without any incident.

Solution: 1. System resources for the EXP CD are not available.

Click on “Start”, “Settings”, “Control Panel” from the “Control Panel” folder Click on “System” then “Device Manager”

The EXP entry may have a yellow circle with an exclamation point.

This is an indication that the EXP CD did not working properly.

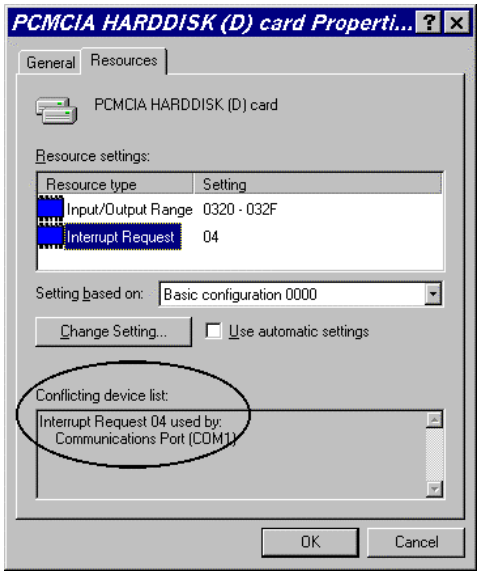


Double click on EXP entry line and then select “Resources” You can make some change to the following entry:

‘Basic Configuration xxxx’, I/O Range, and Interrupt request.

During resources changing, observe the “Conflicting Device List”. You should select the resource(s), which the “Conflicting device list” shows

“No Conflict ”



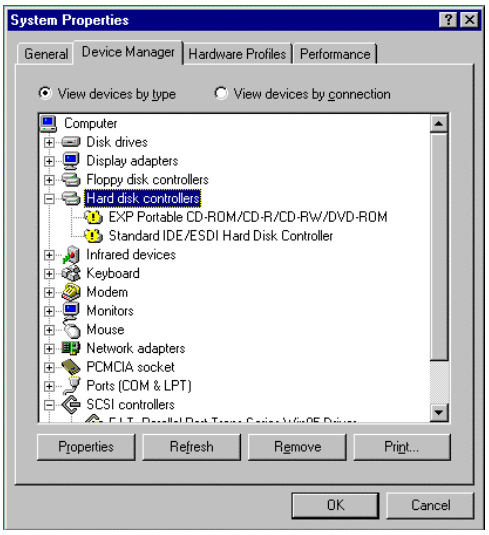
2. Device Manager shows resource for the EXP CD is available and there is no conflicting device.

   In some computer, the I/O Range XXX, Interrupt Request 15 may be use by a built-in secondary IDE controller. Try changing the interrupt to 9,10 or 11. You can also try different I/O addresses.

3. The EXP entry may have a yellow circle with an exclamation point. Device Manager shows resource for the EXP CD is available and there is no conflicting device.

   Check all connection to the EXP CD drive assembly, such as AC Adapter. Your notebook PC Card sockets may not have enough power for the EXP CD. If you already connect the AC adapter, make sure to secure all connectors and the adapter plug into a good AC out let.

4. The EXP CD and the 'Standard IDE/ESDI Hard Disk Controller' entry have a yellow circle with an exclamation point.



   Your notebook may have been infected with some kind of computer virus. The virus disabled Windows 95 32-bit device driver for the hard disk. The EXP CD requires the driver for its operation. Check the "Performance" tab to confirm the symptom.

   You need to run an anti-virus program first, once the 32-bit driver is running the EXP CD will be installed.

PARALLEL PORT INTERFACE

Symptom: No additional drive icon in “My Computer”. The EXP CD driver installed without any incident.

Solution:

1. Check your cable connection, along with the AC adapter at the wall receptacle make sure there is no lose connection. The green LED on the front of EXP CD assembly should lit up.

2. Check your computer CMOS or BIOS setup. Some computer allows user to set printer type to be: Standard, EPP Only or Bi-directional. A setting to “EPP Only” is preferred for a better performance.

3. Check if other hardware devices are connected to the same parallel port. Daisy-chaining with other hardware devices is NOT recommended. Other devices include but not limited to the following: security device (key, lock), audio port, parallel-to SCSI device, tape backup device, network device, A/B switch, printer-sharing device.

4. If you connect the equipment in daisy-chain fashion, always turn on the device farthest away from the computer first (in this case the EXP CD), then turn on the device next on the chain. Turn the computer last.

5. Make sure you turn on the CD-ROM power before the system,

Symptom: The EXP CD starts to become excessively slow or behave differently on a battery-powered notebook computer.

Solution: If you are using a notebook or laptop computer, without the AC adapter. The performance of the parallel port may become sluggish and unreliable if the battery runs low. Try reconnecting the AC adapter to your computer or recharging the battery.

Symptom: The EXP CD starts to become excessively slow or does not work at all.

Solution: The parallel port on your machine may be able to a number of different modes, standard, Bi-directional, EPP or ECP. These

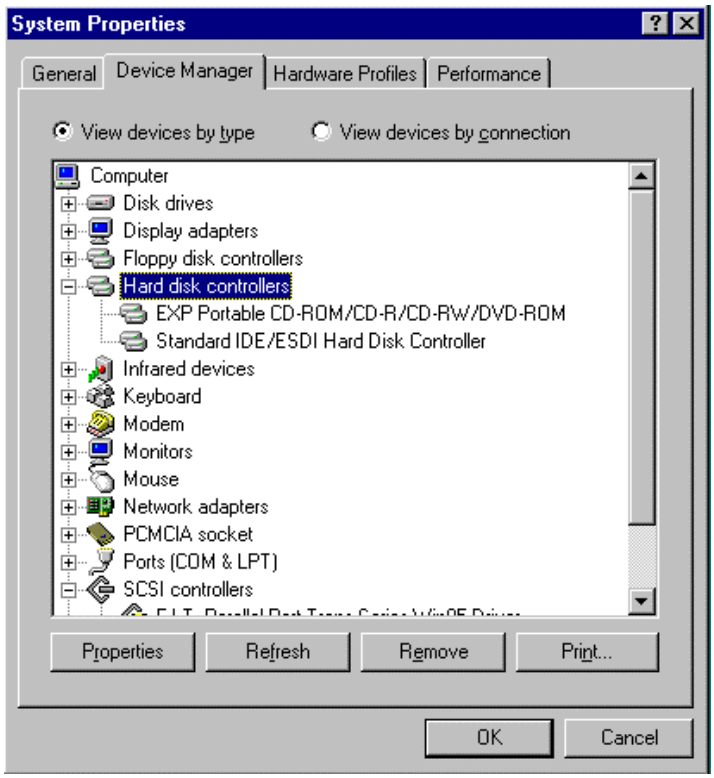
different setting can effect performance of the EXP CD. In some cases, the standard setting will even shut off signals the EXP CD needs, while if the same port is set to Bi-directional or EPP produce an excellent performance.

REMOVING OR RE-INSTALLING THE DRIVER

PCMCIA INTERFACE

If you need to remove or reinstalling the driver, make sure the EXP CD-ROM disk card is inserted.

- Go to “My Computer” icon, “Control Panel”, “System”,“ Device Manager” Click on “Hard Disk Controller”. The EXP CD should be listed



To remove EXP CD-ROM.

- Click on the EXP entry line then click “Remove” button. You may need to restart the computer to complete the task.

To reinstall EXP CD-ROM.

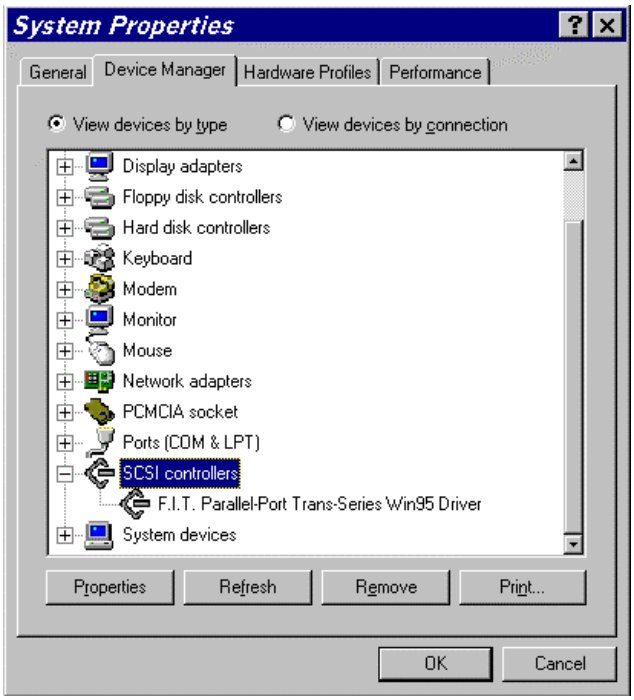
- Click on “Refresh” button, either the “New Hardware Found”

or “Update Device Driver Wizard” will be displayed.

Follow the instruction on “Installation for PCMCIA Interface” section.

PARALLEL PORT INTERFACE

Go to “My Computer” icon, “Control Panel”, “System”,“ Device Manager” Click on “SCSI Controller ”. The EXP CD should be listed



To remove EXP CD-ROM.

- Click on the EXP entry line (F.I.T. …) then click “Remove” button. You may need to restart the computer to complete the task.

To reinstall EXP CD-ROM.

- Click on “Refresh” button, either the “New Hardware Found”or “Update Device Driver Wizard” will be displayed.

Follow the instruction on Installation for “Parallel Port Interface” section.

INSTALL A CD TITLE

DOS/Windows 3.x

Most of the CD-ROM titles for Windows 3.1/3.11 contain the SETUP.EXE or INSTALL.EXE program in the CD disc. You need to start either one of the programs to add a Program Group and its icons into your computer, and perform the following,

1) In Program Manager click File => Run
2) Type in **D:** (or the drive letter assigned for CD-ROM) **SETUP.EXE** or **INSTALL.EXE**.
3) Follow the on-screen instructions.
4) After setup is completed, click the program icon to start the program.

Windows 95/98 and Windows NT 4.0

The CD-ROM for the Windows 95 titles include the AUTO RUN feature. This means that when you close the disc cover with this type of CD disc inside, Windows 95 will start the opening screen automatically. You can add the program, browse content of the CD, etc. from this screen.

The other procedure is from 'Control Panel' click on 'Add/Remove Programs' icon, click on 'Install' button then follow the on screen instruction.

Hot Insert/Remove the PCMCIA interface card

The PCMCIA interface specification define that you may hot insert/remove the PCMCIA interface card, which means to insert, remove or exchange the card from your system at any time without rebooting or turning off your system.

However, for any given system, the PCMCIA CD-ROM, being a storage device itself, can not be hot removed when it is in use by a program. To avoid some sort of system failure, read the following carefully before using hot-removing technology.

DOS/Windows 3.X

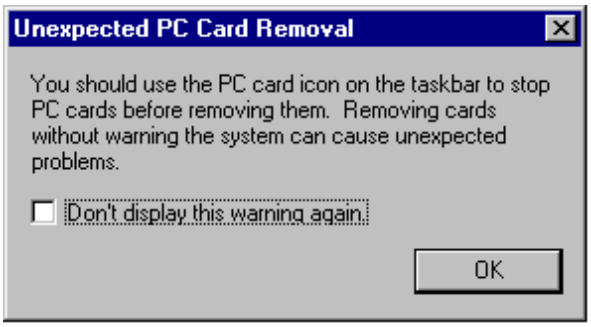
The hot insert/remove the PCMCIA CD-ROM function is supported **ONLY** when your computer is loaded with PCMCIA software which is ExCA compliant. If your system doesn't have such software, it is necessary to connect the PCMCIA CD-ROM first before your computer is being booted. Do not hot remove the card when the CD-ROM is accessing the data particularly in OS/2 system.

Windows 95

The hot swapping is allowed with more limitation. To avoid system failure, always follow the below steps to hot remove the PCMCIA CD-ROM in Windows 95,

1) Click the PC card indicator on the task bar at the right bottom of screen.
2) Click the command to stop the card you want to remove.
3) Read the screen prompts instruction carefully. If the system prompts you not to remove the card, **DO NOT** remove the card. You should exit the present application and return to step 1.

Be sure you are removing the card by the procedures described above, otherwise, the following dialog will be displayed:


Unexpected PC Card Removal
You should use the PC card icon on the taskbar to stop PC cards before removing them. Removing cards without warning the system can cause unexpected problems.
Don't display this warning again.
OK

To display the PC card indicator on the task bar, perform the following steps,

1. Double-click the PC Card (PCMCIA) icon in the Control Panel.
2. Make sure that the box ‘Show the control on task bar’ is checked.

If the PC Card (PCMCIA) wizard appears when you click the button in step 1, complete the wizard. After restarting your computer, double-click the PC Card (PCMCIA) icon in the Control Panel, and then check the box to see the status indicator on the task bar.

NOTICE

- While operating the CD-ROM, the speed of your computer’s CPU and display card will dominate the overall performance, especially when playing full motion video. Slow display speed often causes “still frames”.
- To play the sound portion of Multimedia CD Titles, your computer must be equipped with a sound card.

APPENDIX A

DEVICE DRIVER INSTALLATION FOR DOS

PCMCIA Interface

Automatic Installation

The INSTALL program helps you install the device driver into your computer easily. Please follow the instructions below to proceed with automatic installation.

1. Insert the device driver diskette into a floppy disk drive on your computer.
2. Change the working directory to the floppy drive containing the device driver diskette by typing "**A:**" or "**B:**" then press ENTER.
3. At the DOS prompt (A:\> or B:\>), type "**INSTALL**" followed by the ENTER key.
4. Press ENTER or click on the OK button to continue. When the opening screen appears, a dialog box will be displayed for you to specify the necessary parameters:
   - Directory to install the device driver.
   - The DOS directory to specify the location of the MSCDEX driver.
   - The I/O port address
   - The IRQ number.
5. Enter the directory you select to install the driver and press the TAB key to forward to the next field to indicate the DOS Directory. Press the TAB key again to set the I/O port and then the IRQ. The default setting of the I/O ports are (170-177, 376-377), and the default IRQ is 15.
6. After completing the selection, click on the **Install** button to continue.
7. The rest of the installation should proceed automatically, and the CONFIG.SYS and AUTOEXEC.BAT files on your computer will be updated.
8. Reboot your computer and the CD-ROM drive will be defined as the next available drive letter. For example, if the last hard drive of the computer is drive C, the CD-ROM drive will be assigned to be drive D: automatically.

Manual Installation

You may also manually install the Portable CD-ROM device driver if the default setting conflicts with your system. Please follow procedures below to complete this manual installation.

1. Copy the files EXPCDI.EXE from the Portable CD-ROM device driver disk to your hard disk.
2. Copy or locate the MSCDEX.EXE in your hard disk. Usually reside at C:\DOS or C:\WINDOWS\COMMAND
3. Add "**LASTDRIVE=Z**" to the *TOP* of your CONFIG.SYS file. If you already have a LASTDRIVE line with a letter other than Z, change it to Z.
4. Add the following lines to the *BOTTOM* of your CONFIG.SYS file:

   DEVICE=*drive:**path***EXPCDI.EXE /P:1 /I:15 /D:MSCD001**

   where *drive:**path* specifies the directory containing the file EXPCDI.EXE.

Note: If your CONFIG.SYS file is already loaded with PCMCIA software, such as Cardsoft of SystemSoft or Cardtalk of Databook, it is necessary to add the above line AFTER all the PCMCIA statements.. Otherwise, the PCMCIA interface card will not be initialized properly. To make sure if any PCMCIA software has been loaded in your system and to know more about PCMCIA, please refer to the section titled "PCMCIA Software Information".

The EXPCDI.EXE is device driver for the PORTABLE CD-ROM. The parameters of EXPCDI.EXE are described as below:

- **/P** **S**et the I/O ports, and the valid numbers are 1, 2, and 3. Each number represents the I/O port pairs of (170-177, 376-377), (1E8-1EF, 3EE-3EF), and (168-16F, 36E-36F) respectively. The default setting is **/P:1**.
- **/I** Set the IRQ number. The valid IRQs are 3, 4, 5, 7, 9, 10, 11, 12 and 15, and the default setting is **/I:15**.
- **/D** is used to set the device name. It can be any name up to 8 characters. This name must be the same as the name you will specify in the MSCDEX.EXE option /D: *name* in the next step.

5. Add the following line at the *TOP* of your AUTOEXEC.BAT:

   *drive:**path***MSCDEX.EXE /D:MSCD001 /M:4**

   where *drive:**path* specifies the DOS directory or the directory containing the file MSCDEX.EXE.

Note: If your AUTOEXEC.BAT file loads a menu program such as DOSSHELL or Windows, you have to add the above line to start your menu program. Otherwise, MSCDEX will not have a chance to load before your menu program begins.

The example above shows the default setting. The **/D:** switch indicates the device name. It MUST be the same name as you specified by the **/D:** switch of EXPCDI.EXE in your CONFIG.SYS file. The **/M:** switch indicates how much memory to allocate for caching information on the CD-ROM. The default **/M:4** caches 8KB.

For more information about the switches of MSCDEX, please type "**help MSCDEX**" at the DOS prompt.

5. Now, reboot your computer to activate the CD-ROM drive.

PARALLEL PORT Interface

Make sure that your computer has an IBM-compatible parallel (printer) port and DOS 3.1 or above.

1. Follow the instruction on the HARDWARE INSTALLATION section.

2. Place your installation diskette into the floppy drive. (Open a "DOS prompt" if you are in the Windows environment.)

   If the floppy drive is the **A** drive, enter **a:\tcd**

   If it is the **B** drive, enter **b:\tcd**

3. Perform option 1, "**Install**", from the Utility Main Menu.

```
******** CD Utility Main Menu ********

    1. Install TransCD Software
    2. Un-install TransCD Software
    3. Audio CD Utility
    4. Print TCD.EXE version number
    5. Re-boot system
    6. List all TransCD devices
    7. List all parallel devices
    8. Reset CD-ROM drive
    0. Exit

Enter menu selection >> 1
```

4. Follow the instructions on the screen. For the quickest install, press ENTER to use drive C, press Y and ENTER to use default, and then

remove the installation diskette and press Y and ENTER to re-boot the PC.

Most CD-ROM programs require a minimum of a 286 processor with MS-DOS 3.1 or MS-WINDOW 3.1, 640K RAM, and an EGA/VGA video card. Refer to the side of the CD-ROM package for program requirements, and enjoy!

Access CD-ROM without Software Installation

(Dynamic loading of the CD driver)

This method of Dynamically Loading the CD driver offers a temporary install of the CD driver. It will not modify CONFIG.SYS and AUTOEXEC.BAT files. The driver is loaded dynamically. When the system is shut off, the driver is gone.

1. Place your CD installation diskette into the floppy drive.
2. Select the floppy drive by typing floppy drive letter. For example: A:
3. At the floppy drive prompt, type TCDGO. This will then install the CD driver.

POWER SAVING

The PCMCIA CD-ROM is designed to save power:

- Built-in inactivity timer for about 40 seconds in stand-alone mode, the power will be turned off automatically.
- If install in a computer, the drive will automatically enter the sleep mode (spindle off) when it has not been accessed for about 1 minute.
- If you remove the Compact Disc (CD) from your CD-ROM drive, the drive will manually go into the sleep mode.
- During the initials power on, the PCMCIA CD-ROM will spin at a lower speed to save power. The operating current will then be reduced.

The “Hot insert/remove” feature of a PCMCIA card helps to save power, too. If Exchangeable Card Architecture (ExCA) compliant PCMCIA software has been loaded on to your computer, then you can remove the PCMCIA CD-ROM after the system has been booted, and insert it again when you need to

use the CD-ROM device. For notebook computer users, removing the card will preserve power and prolong battery life.

Note: You are allowed to remove and insert the PCMCIA CD-ROM from the computer at any time. However, DO NOT remove the PCMCIA card from your CD-ROM drive

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EXP MEMORY PRODUCTS.

NON-TRANSFERABLE LIMITED WARRANTY

EXP COMPUTER INC., AND EXP MEMORY PRODUCTS ("EXP") warrants that the CD Traveler ("products") manufactured or distributed by EXP to be free from failures due to defects in materials or workmanship for a full one year from the date of purchase of the products.

This warranty is void if the product is damaged by abnormal or improper use or by accident, abuse or if any attempt to repair or modify the product without authorization from EXP. Your sales receipt or invoice, showing the date of purchase and the name of the authorized reseller, is your proof of the date of purchase. During the warranty period, EXP will at its option, replace or repair, at no charge, the product that in its opinion is defective.

Before you return the failed products, contact EXP. You will need to obtain a Return Merchandise Authorization (RMA) number by calling EXP's Technical Support Department at (516) 496-7629. The RMA number should be displayed on the** outside **of the returning package and on the accompanying packing list. EXP cannot be held responsible for any package returned without the RMA number. You are responsible for packaging, providing** proof of the date of purchase **and the shipping cost of the failed product to EXP Computer, Inc. You are responsible for mailing the warranty registration card. The warranty claims may not be honored if there is no corresponding registration card on file at EXP.

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